

## The Department

The Air Force Reserve Officer Training Corps Program is a college-based program open to men and women. Under this program the Air Force pays the full tuition for scholarship winners and provides a monthly stipend of between \$250 and \$400. Other scholarship programs are available to pay \$250 and \$350 per month and cost of tuition up to \$9,000 per year, plus a book allowance.

AFROTC offers students that graduate from the program the opportunity to serve in a tremendously rewarding leadership position as a second lieutenant in the U.S. Air Force. Non-scholarship students may participate in the program for one to two years without signing a contract with the Air Force. In either case, ROTC years of service will provide young men and women leadership and management experience that will serve them well as an Air Force officer or a civilian in the private sector.

Several routes for an Air Force commission are available to college students in Air Force ROTC. Entering students may enroll in the four-year program, while students with at least two years remaining in college may apply for a compressed option. For instance, students who enter the program with 3 or 3.5 years remaining to graduation can commission on time provided they accomplish program requirements. Contact the detachment faculty and staff for more information on these various options.

The Air Force ROTC education program provides professional preparation for future Air Force officers. It is designed to develop men and women who can apply their education to their initial active duty assignments as Air Force commissioned officers. In order to receive a commission, an Air Force ROTC cadet must complete all requirements for a degree in accordance with university guidelines as well as completing certain courses specified by the Air Force.

Air Force ROTC courses are taken for academic credit as part of a student's electives. The two major phases of the curriculum are the General Military Course (GMC) and the Professional Officer Course (POC). The last two years of the program must be completed at California State University, Fresno. The first two years of the program may be completed off-campus if a student is enrolled in one of the local junior colleges and plans to transfer to the university at the beginning of his or

her junior year. In the Aerospace Studies program, all books, supplies, and uniforms are furnished at no cost to the student.

Air Force ROTC scholarships are available to qualified applicants in both the four- and two-year programs. Each scholarship provides full tuition, laboratory and incidental fees, and a \$300 semester allowance for curriculum-required textbooks. In addition, scholarship cadets receive a nontaxable \$250-\$400 subsistence each month during the school year. All two-year program cadets, regardless of scholarship status, receive \$300-\$400 per month, and may be eligible to receive the cost of tuition (up to \$1,500 per semester) and a book allowance.

Other scholarship programs are available to fill critical Air Force requirements. Additional money through express programs is available as well as the one-year commissioning program. Contact the unit admissions officer for the latest information.

## Aerospace Studies Minor

A Minor in Aerospace Studies consists of satisfactory completion of the AFROTC program (16 upper-division units, of which 6 must be in residence) and a 2.0 GPA.

## Career Outlook

Although flying is a critical mission of the Air Force, it forms only a part of the 160-plus career specialties available to new officers. Today, since science and technology are a large part of the national defense, the Air Force needs the best scientists and engineers the nation can produce. It also needs other professional men and women with a broad range of knowledge and skills.

Most young officers who enter the Air Force today do not expect to be pilots or astronauts. They want to be part of the large research and development program of the vast support organization that keeps our country strong and progressive. Exciting job opportunities exist everywhere in the Air Force.

In addition to the recurring need for pilots, the Air Force also needs personnel to work in navigation, space and missile operations, engineering, mathematics, physics, computer science, and in the support fields of personnel, administration, logistics, finance, education, security forces, health, and others. In the years ahead, Air Force ROTC will continue to concentrate on preparing men and women to assume important and responsible positions of leadership in the modern Air Force.

The Craig School of Business

## Department of Aerospace Studies

Lt. Col. Samuel B. Vandiver, *Chair*

Kathy Hirasuna, *Department*

*Administrative Assistant*

North Gym, Room 158

559.278.2593, 559.278.7080

FAX: 559.278.5245

[www.csufresno.edu/afrotc/](http://www.csufresno.edu/afrotc/)

## Air Force Reserve Officer Training Corps (AFROTC)

### Minor in Aerospace Studies

## Faculty

Lt. Col. Samuel B. Vandiver, *Chair*

Captain Thomas J. Ringlein

Captain Alan T. Amato

*Advisers:*

Technical Sgt. Maria Avila

Staff Sgt. Desiree Ybarra

## Faculty and Facilities

The teaching staff in the Department of Aerospace Studies is composed of highly educated and experienced Air Force officers who are selected for their professional experience, academic background, and instructor qualifications. Along with their extensive operational assignments and experiences, these officers undergo extensive academic and instructional training as professors and assistant professors of Aerospace Studies. All hold advanced degrees from various American universities as well as graduation certificates from a variety of intensive Air Force professional courses and schools.

## General Military Course (GMC)

To be eligible for the GMC you must:

1. be a full-time college student
2. be age 14 or older
3. be of good moral character
4. meet the academic standards for admission to California State University, Fresno

## Professional Officer Course (POC)

To be eligible for the POC you must:

1. be a citizen of the United States and not less than 17 years of age;
2. be physically, mentally, and morally qualified in accordance with standards

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established by the Department of the Air Force;

3. have two academic years, either undergraduate or graduate, remaining at the time of POC entry;
4. take and pass the Air Force Officer Qualifying Test;
5. (a) For pilot and navigator: be not more than 29 years of age at date of commissioning;  
(b) For all other categories: be not more than 30 years of age (34 years for those with prior military service) at date of commissioning;
6. be a full-time student according to the rules of California State University, Fresno; and
7. be approved for AFROTC training by the professor of aerospace studies.

### COURSES

#### ***Aerospace Studies (ASP)***

##### **ASP 1A, 1B. The Foundations of the United States Air Force (1, 1)**

Corequisite: ASP 3 Leadership Laboratory (one unit) if student desires an Air Force Commission. The Air Force in the contemporary world. Focuses on the organizational structure and missions of Air Force organizations; officership and professionalism; and includes an introduction to communication skills.

##### **ASP 2A, 2B. The Evolution of USAF Air and Space Power (1, 1)**

Corequisite: ASP 3 LLAB if requiring a USAF Commission. Examines 100-year development of air/space power from its origin to its application in modern-day warfare. Emphasizes the evolution and employment of air/space power capabilities, functions, and doctrine. Assesses communication skills. Uses USAF Core Values for insight into operations.

##### **ASP 3. Leadership Laboratory (1; max total 6)**

Open to students who are members of the Reserve Officer Training Corps or are eligible to pursue a commission as determined by the professor of aerospace studies. Course must be taken each semester of the General Military Course (GMC). A study of Air Force customs and courtesies, issuing military commands, instructing, directing and evaluating the preceding skills, studying the environment of an Air Force officer and learning about areas of opportunity available to commissioned officers. *CR/NC* grading only.

##### **ASP 5. Drill and Ceremony Fundamentals (1; max total 8)**

The elements of military drill, individual and group precision movements, development of command voice; technical, stylistic and aesthetic aspects of creative drill maneuvers; encompasses both rehearsal and public performance.

##### **ASP 25. Air Force ROTC Field Training (3)**

Taken during summer preceding entry into POC. Six-week field training provides leadership and officership training in a military environment which demands conformity to high physical and moral standards. Within this structured environment cadets are screened for officer potential as measured against field training standards. Motivation and professional development is achieved through various programs such as flight orientation, marksmanship and survival training. The Air Force provides meals, housing, pay, and travel to and from base.

##### **ASP 103C. Air Force ROTC Field Training (3)**

For those completed GMC and prior-service cadets. Four weeks of training taken during the summer preceding entry into POC. Field training provides leadership and officership training in a military environment which demands conformity to high physical and moral standards. Within this structured environment cadets are screened for officer potential as measured against field training standards. Motivation and professional development is achieved through various programs such as flight orientation, marksmanship and survival training. The Air Force provides meals, housing, pay, and travel to and from base.

##### **ASP 104A, 104B. Air Force Leadership Studies (3, 3)**

Corequisite: ASP 113 Leadership Laboratory (one unit) if student desires an Air Force Commission. A study of leadership and management fundamentals, leadership responsibilities, ethics, and communicative skills required of an Air Force junior officer. Case studies are used to examine Air Force leadership and management situations as a means of demonstrating and exercising practical application of the concepts being studied.

##### **ASP 105A, 105B. National Security Affairs/Preparation for Active Duty (3, 3; max total 6)**

ASP 105B is not open to students with credit in ASP 105BW. Corequisite: ASP 113 (one unit) if student desires an Air Force Commission. An examination of the needs for national security; an analysis of the evolution of the American defense strategy and policy; aerospace doctrine; overview of alliances and regional security, arms control, and terrorism. Special topics of interest focus on the military as a profession, officership, and the military justice system, and current issues affecting military professionalism. Within this structure, continued emphasis is given to developing communication skills.

##### **ASP 105AW/BW. National Security Affairs/Preparation for Active Duty (3)**

Not open to students with credit in ASP 105A/B. Prerequisite: satisfactory completion (C or better) of the ENGL 5B and 10 graduation requirement. Corequisite: ASP 113 (one unit) if student desires an Air Force Commission. An examination of the needs for national security; an analysis of the evolution of the American defense strategy and policy; aerospace doctrine; overview of alliances and regional security, arms control, and terrorism. Special topics of interest focus on the military as a profession, officership, and the military justice system, and current issues affecting military professionalism. Within this structure, continued emphasis is given to developing communication skills. Meets the upper-division writing skills requirement for graduation. (See note below.)

##### **ASP 113. Leadership Laboratory (1; max total 6)**

Prerequisite: ASP 25 or equivalent military training. Must be taken each semester of the Professional Officer Course (POC). Activities classified as advanced leadership experiences. They involve the planning and controlling of the military activities of the cadet corps, the preparation and presentation of briefings and other oral and written communications, and the providing of interviews, guidance, and information which will increase the understanding, motivation, and performance of other cadets. *CR/NC* grading only.

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*Note:* to meet the California State University, Fresno upper-division writing requirement, students must complete **four semesters** of aerospace studies curriculum consisting of ASP 104A/B and ASP 105A/B. In addition, during one semester, the 105A/B course must have the writing requirement (i.e. it must be 105AW or 105BW).